D

Short Math Test II

(Math Test 4½)

Difficulty: 10

Name: _____

36 Questions

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Directions to Answering Each Question

1. Work the problem to find the answer.
2. Simplify any fractions when possible.
3. If you are typing your answers on this test with a Chromebook, please use the Roboto font size 40.
4. Fill in every blank in the question indicated by the black lines.
5. If you are greeted with a multiple-choice box, choose the best answer in that box.
6. Write the numbers greater than 999 with commas for the thousands, the millions, etc. to receive credit.

GO ON TO THE NEXT PAGE TO START THE TEST

Dust1218 Math Test

Use pieces of paper to do your work. If you change your answer, be sure to erase the old answer completely. Please answer all of the questions without cheating.

1. What's the answer to this math problem?
   85.5 + 0.7984
   _____

2. What is 0.0231 ÷ 0.11? _____

3. A person weighs 179.4 lbs when rounded to the nearest hundredth of a pound. Meanwhile, his dog weighs 71.93 lbs.
   What is the difference in weight between the person and the dog?
   _____ lbs

4. Do 48.7 × 7.12. What's the answer? _____

5. A computer measures the size of files to three decimal places.
   One file's original size was 44.01 MB. However, after the file size was reduced via compression, it is now 3.636 MB smaller.
   What is the current size of the file? _____ MB

6. A number, x, is rounded to the nearest 0.05.
   The result is 3.05.
   What's the error interval for x?
   _____ [< or ≤] x [< or ≤] _____

7. What is the difference between -24.2 and -20.9? _____

8. Calculate:
   (-11) + (-20) + (-13) + (-15) + 20
   What's the number you will get if you do it? _____

9. The difference between -58.5 and 85.5 is what? _____

10. -27.3 ÷ 3.5 = ???
    Which number replaces the question marks? _____

11. What is 36 × -1.2? _____

12 Solve 0.9 × -24. What's the answer to that math problem? _____

13 The temperature decreased by 24.2°C from -26.4°C.
What is the new temperature? _____°C

14 What is the following calculation as a sum?
(-5) - 1 - (-6) - (-12) - (-18)
_____

15 What is the answer to this calculation?
4 - 12 - 24 - (-4) - 5
_____

16 A person had 5.405 million dollars in her bank account one year ago.
Now, that number is exactly doubled.
How many millions of dollars does she have in her bank account now? _____ million dollars

17 What are all the factors of 2,202?
_____
_____
_____

18 5.33 as a percentage is what? _____

19 Halfway done with the test!
A test-taker has written 8 9/10 pages of work during his math test.
He wants to know the number of pages written as a decimal.
So, what is 8 9/10 as a decimal? _____

20 The yearly inflation rate in one country from another planet was so bad that it was 690%.
As a fraction, what is 690%?
_____

21 What is the number 1.22177272... in fractional form? Simplify your answer where possible.
_____

22 Given that 10/50 = 0.2, what is 10/100 as a decimal? _____

23 What is 5 11/23 minus 5 6/14 plus 4 3/13?

_____

24 As a mixed number, what is 72/7?

_____

25 This is a real-world question.
At one time, Tampa (located in Florida,) had an outside temperature of 74°F. That's 23 1/3°C.
What was the outside temperature in Celsius as an improper fraction?

°C

_____

26 What is 1 8/10 ÷ 3 1/8 ÷ 3 10/18?

_____

27 You are already at the next "dividing fractions" question.
This one will require you to give an answer to 1 7/13 ÷ 2 7/13 ÷ 2 3/10. What is the solution to that math problem?

_____

28 You are 75% done and there are 9 questions left to answer.
When you increase 270 by 1 2/9 of itself, what will you get? _____

29 What is the list of integers, in ascending order, between -15/11 and -53/15?

_____

30 3 9/11 times 1 7/10 times 2 6/7 equals what?

_____

31 An owner is building a roller coaster in his backyard. Initially, he wanted it to be 300 feet long, but now he wants the roller coaster to be 1 1/3 times the length.
What will be the new length of his roller coaster? _____ feet

32 1/50 of an amount is 18.
What is 3/2 of the amount? _____

33 A plane crash happened, and the crew couldn't rescue everyone in time. Out of the 275 people that were on the plane, only 150 on them survived.
What was the fully-simplified fraction for the number of people who survived the plane crash divided by the people on board?

_____

34 When halved, what will 9.5529 turn into? _____

35 What is $36^{-7} \div 1296^{2}$ in its simplified form? _____

36 Last question!
Take $3^{-3} \div 81^{7}$ and simplify the expression. What do you get?

_____

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